Installation Instructions for HDS PC Software

CONTENTS

INSTALLATION
- Preparation..... 1
- Installation Instructions..... 2

TROUBLESHOOTING GUIDE
- Administrator Rights..... 9
- Connection to the Master Server..... 9
- Communication With the HIM or the GNA600..... 9
- Communication of the HIM With the Vehicle..... 10
- Communication of the GNA600 With the Vehicle..... 10
- Network Connection..... 10
- Immobi System Access..... 11
- HDS Automatic Update..... 11

APPENDIX: USB-to-Serial Adapter for the Honda Diagnostic System
- Introduction..... 12
- System Requirements..... 12
- Installing the device..... 12
- Verifying the Installation..... 12
- Uninstalling the USB-to-Serial Adapter Driver..... 18

DISCLAIMER..... 19

These instructions guide you through the installation of the Honda Diagnostic System (HDS) software onto a personal computer.

Preparation

Before installing the HDS PC software, your dealer's system administrator must configure your computer as an *i*N (Interactive Network) workstation and network it with your service department's master server. You must install and run the Electronic Parts Catalog on the PC before the HDS PC software can be installed. **American Honda Special Tools Hotline will not support any concerns for computers not configured as *i*N workstations.**

Go to the ***i*N Minimum Requirements** on the **Support** page of the *i*N Website for hardware, software, and operating system requirements for your computer. **Additionally, the PC operating system must be either Windows 2000 or Windows XP Professional. Windows XP Home Edition or Vista cannot be used. American Honda Special Tools Hotline will not support any concerns for computers not meeting the above requirements.**

The latest version of the Honda Diagnostic System software must be installed on your service department's master server.

In order to install the HDS, the logged-in user must have administrator rights.

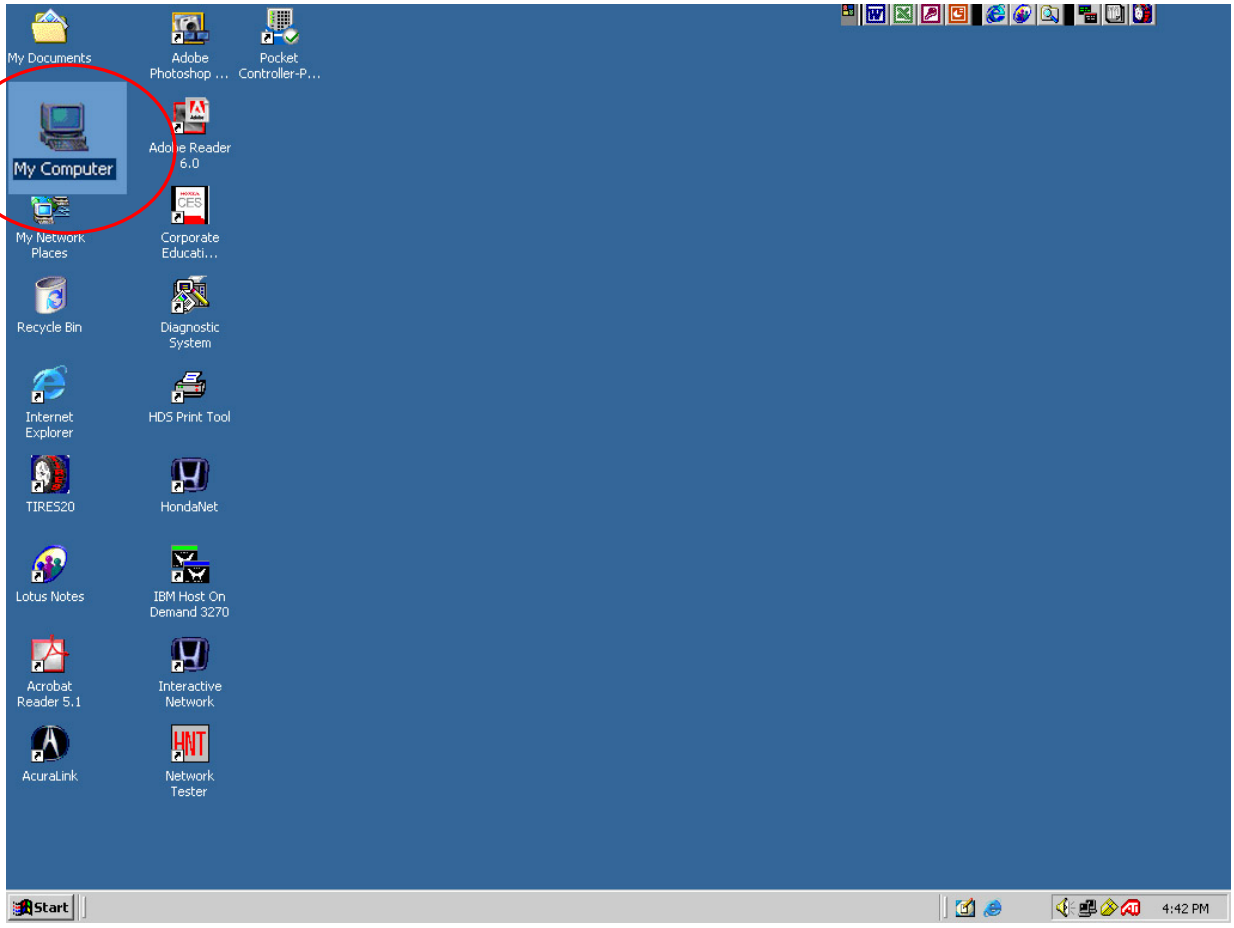
Installation Instructions

NOTE: The screen shots that follow show a specific installation that may vary from your actual situation. They are shown for illustration purposes only.

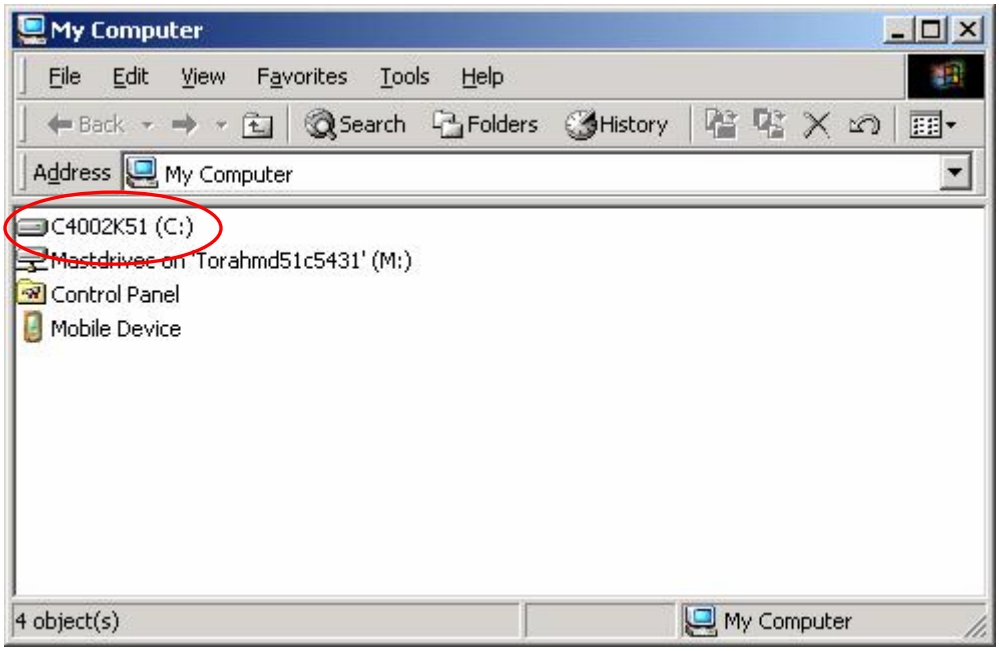
First, confirm that the **hn2000a** (for Honda) or **hn2000b** (for Acura) folder and **hn2000.ini** file are located on the workstation's **C: drive**.

2006 American Honda Motor Co., Inc. – All Rights Reserved

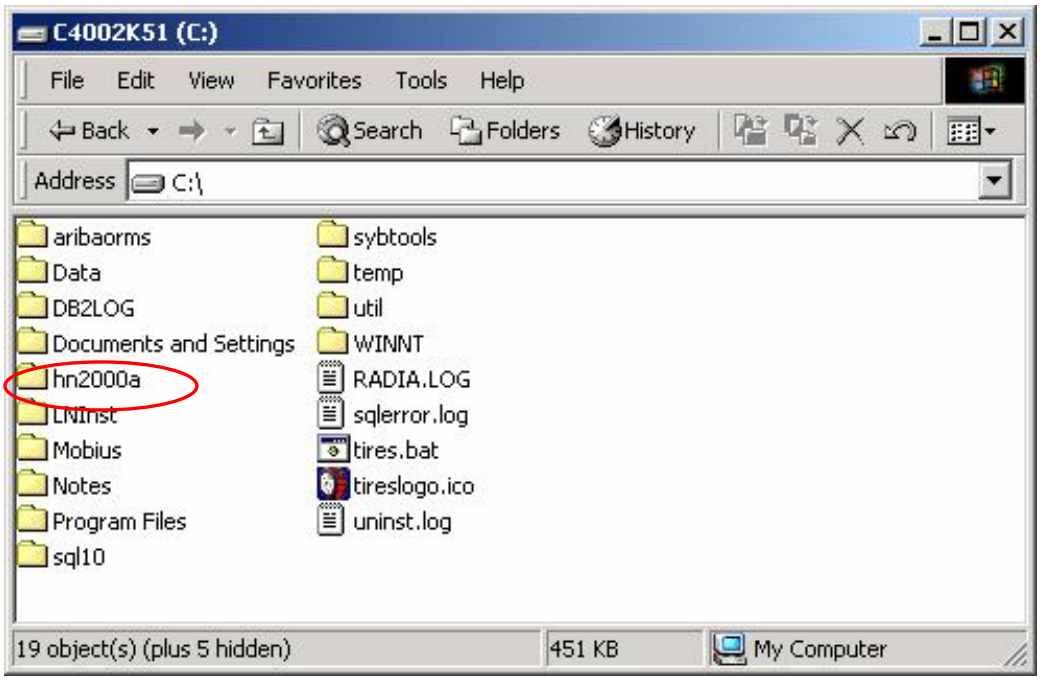
Double-click on **My Computer**.



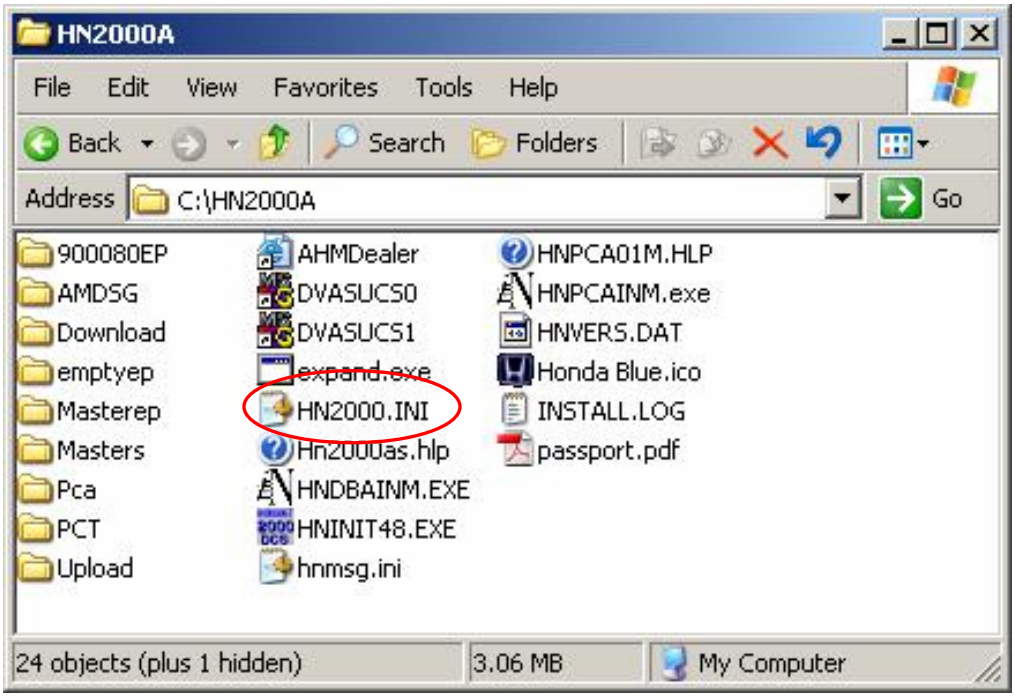
Double-click on the **C: drive**.



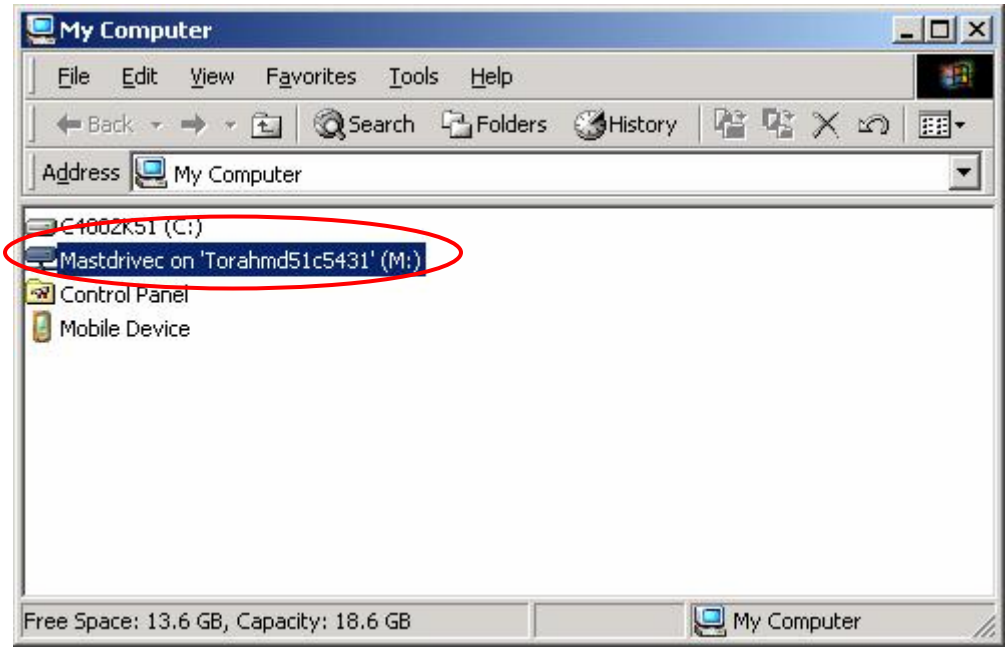
Double-click on the **hn2000a** folder for Honda dealers or **hn2000b** for Acura dealers.



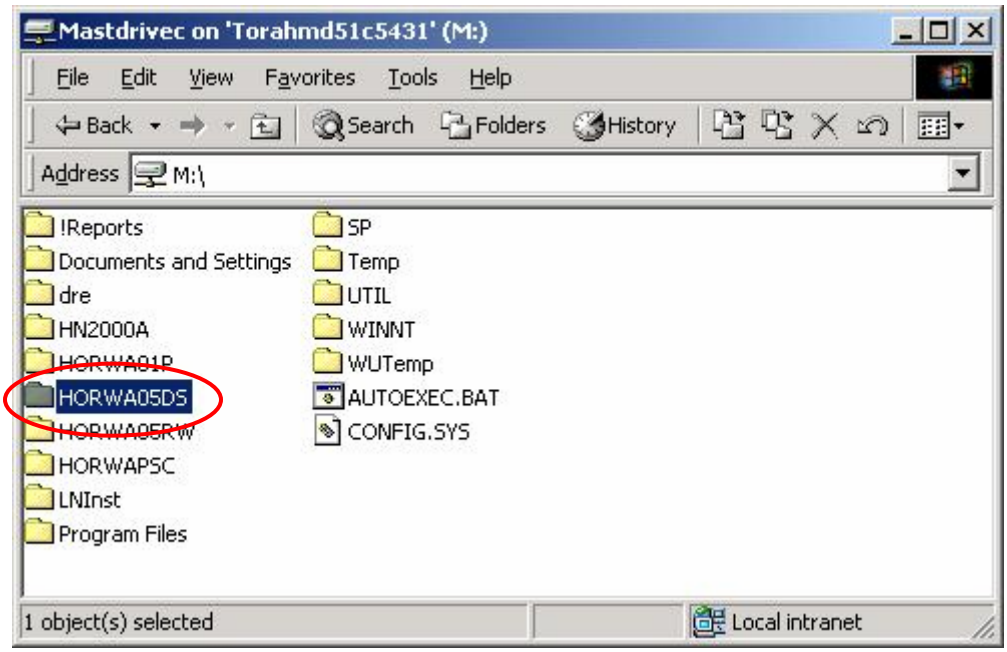
Confirm that the **HN2000.INI** file is in that folder. If it is not, the workstation was not configured correctly. Contact your dealer's IT administrator before proceeding.



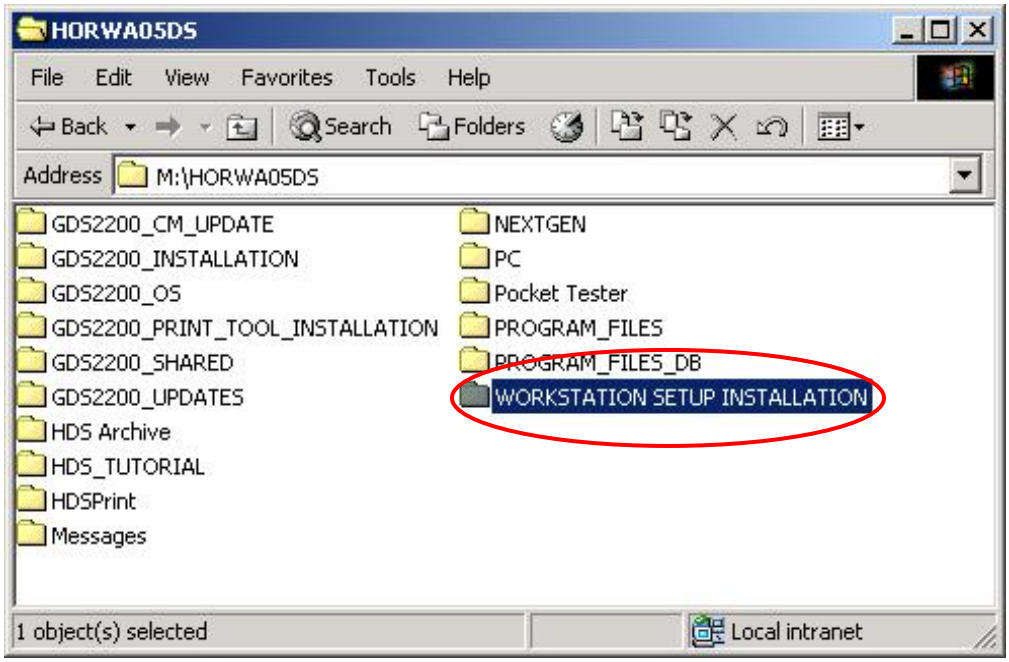
Confirm that your workstation is mapped to the dealer's master server.
Locate and double-click on the service department master server in My Computer (named **Mastdrivec** in the example shown).



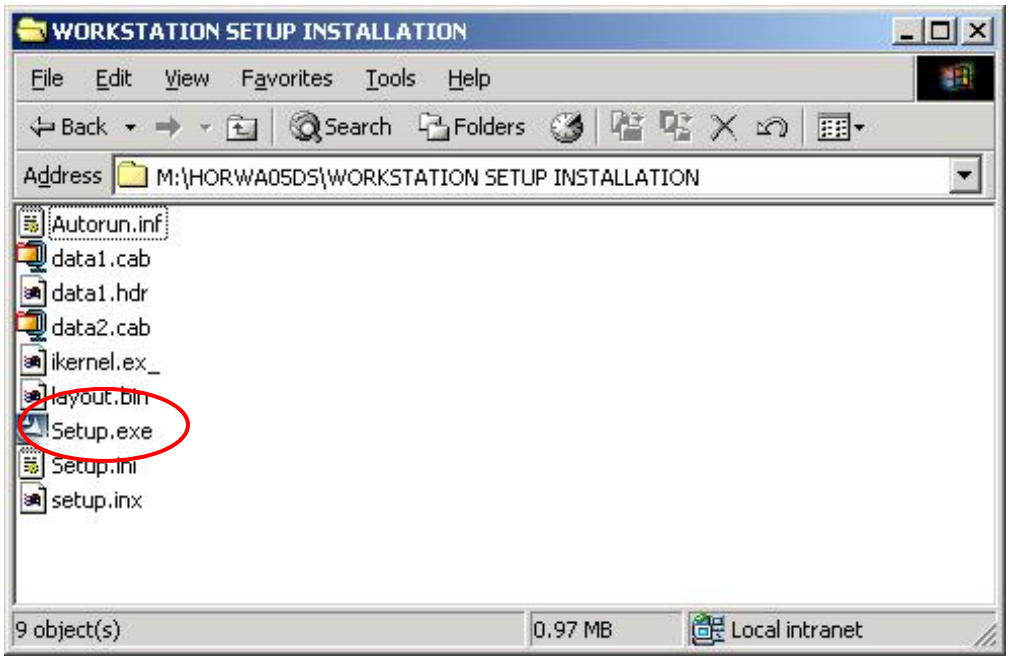
Locate the directory labeled **HORWA05DS**, and double-click on it.



Locate the folder labeled **WORKSTATION SETUP INSTALLATION**, and double-click on it.

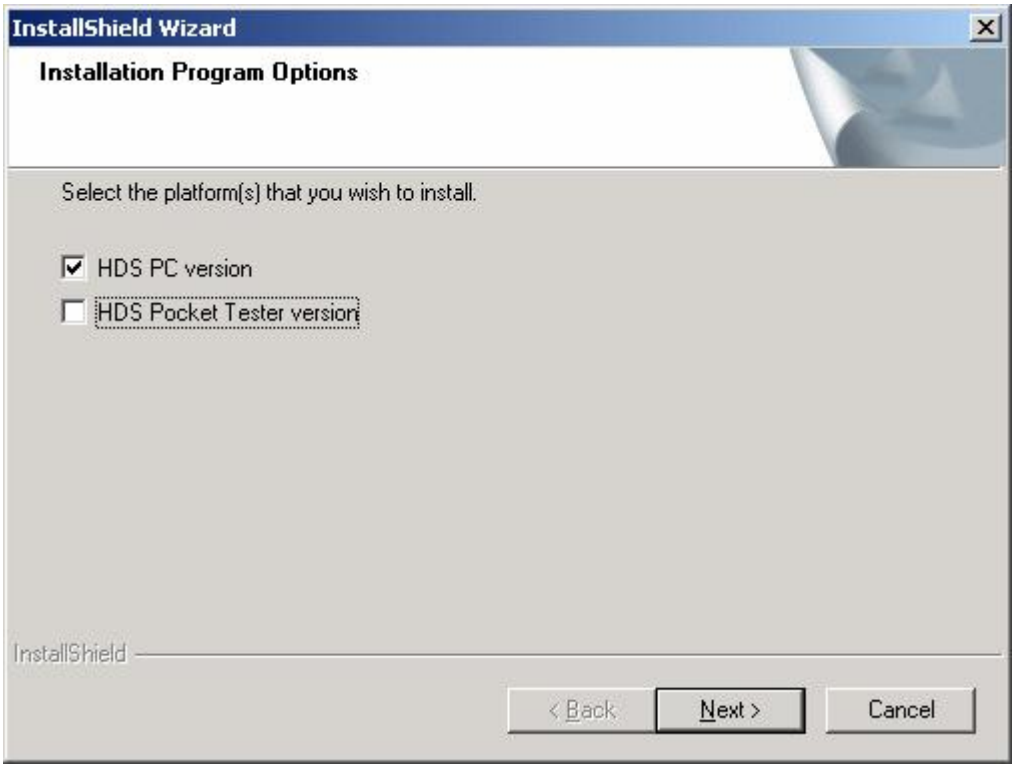


Locate the file named **Setup.exe**, and double-click on it. (This initiates the installation of the PC HDS software).



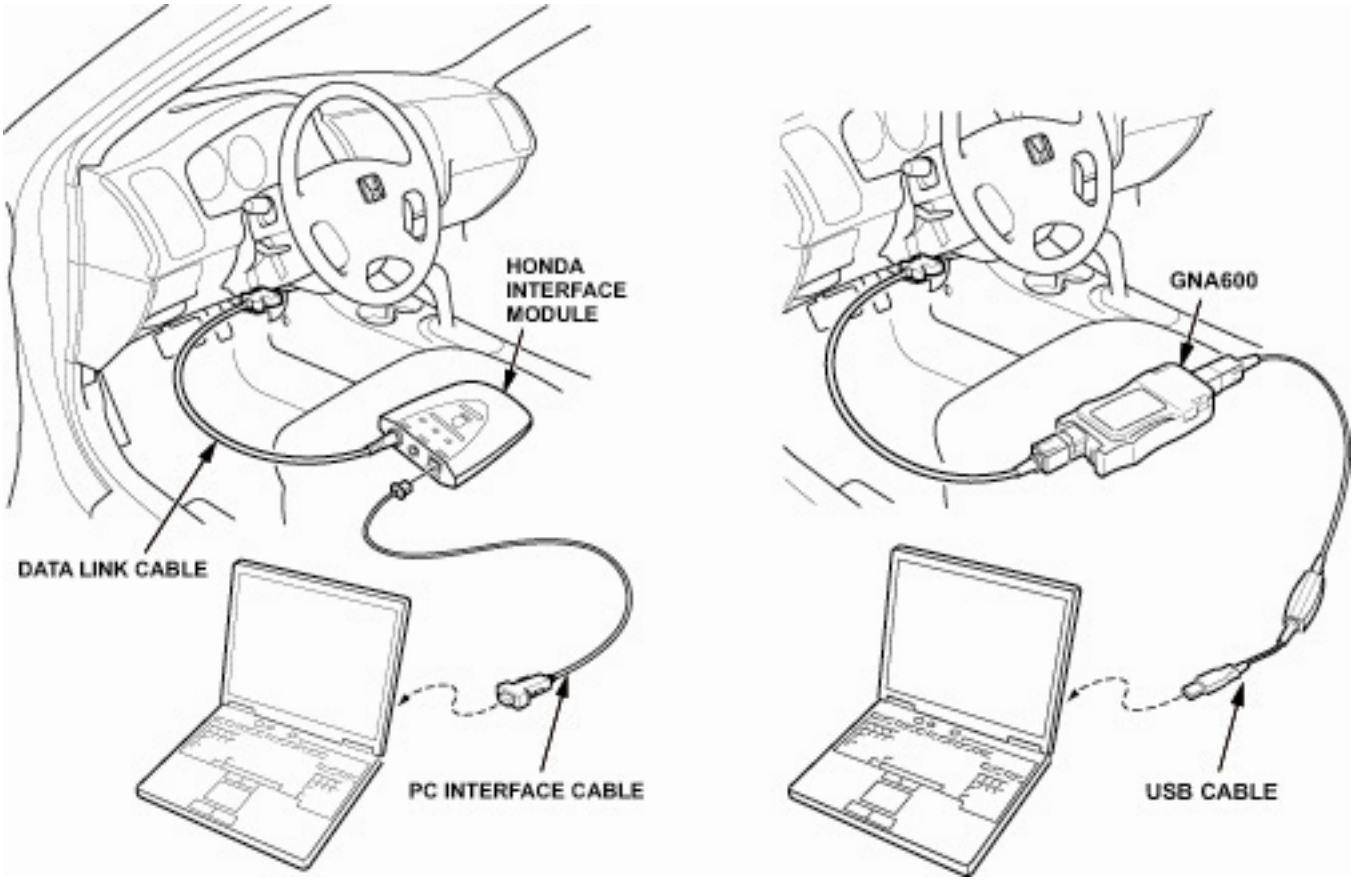
When prompted, enter your dealer number and other required information.

Deselect the HDS Pocket Tester version when prompted for **Installation Program Options**, then select **Next**. Continue to use your dealership's Techcart for updating your Pocket Tester as required.



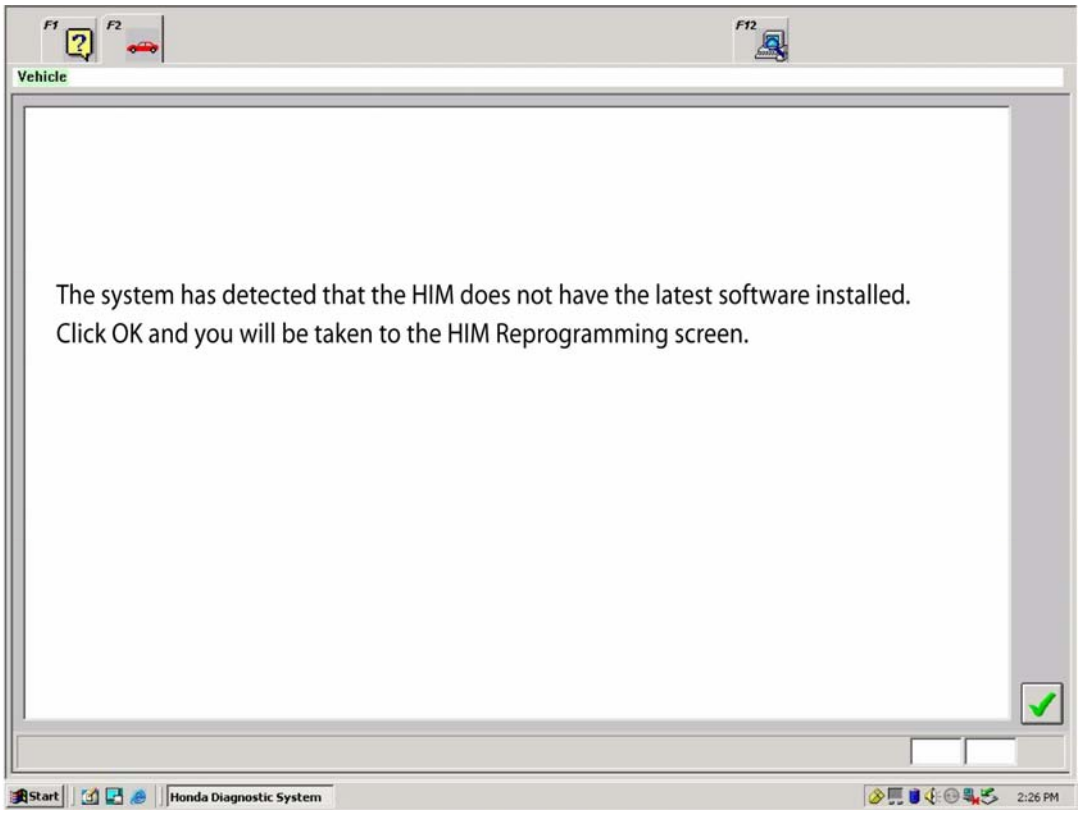
HDS installation to your PC then continues. Please select the appropriate response to any subsequent prompts from the InstallShield Wizard.

Use these illustrations to connect your PC to a vehicle with the Honda Interface Module (HIM) or the GNA600.



An update to the HIM or GNA600 firmware may be required.

Example of screen shot using the HIM:


F1
F2
F12
Vehicle
The system has detected that the HIM does not have the latest software installed.
Click OK and you will be taken to the HIM Reprogramming screen.
Start
Honda Diagnostic System
2:26 PM

Many 2006 and newer models require the use of a HIM with a CAN daughterboard. The CAN daughterboard is available from the Honda Tool and Equipment Program, and must be installed into existing HIMs at the dealership.

The PC, along with the HIM or the GNA600, is now ready for use as an HDS.

To run the HDS software on the PC, select **START** > **PROGRAMS** > **Diagnostic System** > **Diagnostic System**.

To update control modules, select **START** > **PROGRAMS** > **CM Update** > **CM Update**.

TROUBLESHOOTING GUIDE

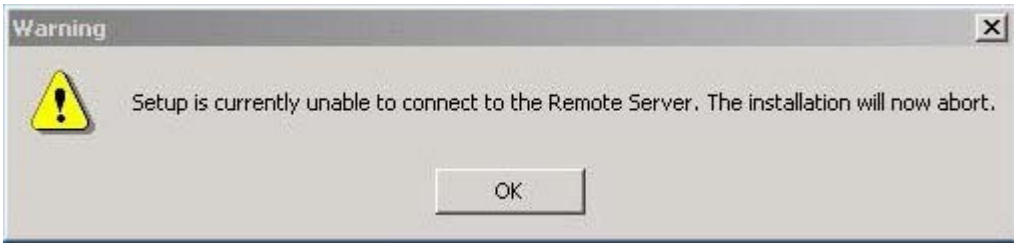
Administrator Rights

If this message appears during HDS installation, your user account does not have administrator rights. Log in again with an account with administrator rights.

Severe
Setup has determined that your user account does not have Administrator rights on this machine.
This setup will now terminate.
Please contact your system administrator or helpdesk for assistance.
OK

Connection to the Master Server

If this message appears during installation, your computer is not configured correctly as an *i*N workstation or there is no internet access. Request your IT administrator to configure your computer as an *i*N workstation on your network.



Communication With the HIM or the GNA600

Your PC may not communicate correctly with the HIM or the GNA600 due to the communications port settings. The communications port used must be set to COM1. Also, installed programs for peripheral devices such as personal digital assistants (PDAs) and portable media players may interfere with communications. American Honda Special Tools Hotline will not provide support if peripheral devices inconsistent with the intended use of an *i*N workstation have been installed.

Communication of the HIM With the Vehicle

Connect the HIM to the DLC on the vehicle, then turn the ignition switch to ON (II). If the PGM-FI system is reprogrammable, after about 20 seconds, the green light should stay on. On vehicles that do not have reprogrammable PGM-FI systems, the green and yellow lights flash together. If the lights do not work as described, make sure the ignition switch is at ON (II), and then check the HIM on a known-good vehicle. If the HIM works on the known-good vehicle, refer to the appropriate service manual to troubleshoot the DLC circuit in the vehicle you are working on. If the HIM does not work on the known-good vehicle, the HIM or its cable may be faulty.

Important Note: Many 2006 and newer models require the use of a HIM that includes a CAN daughterboard. The CAN daughterboard is available from the Honda Tool and Equipment Program.

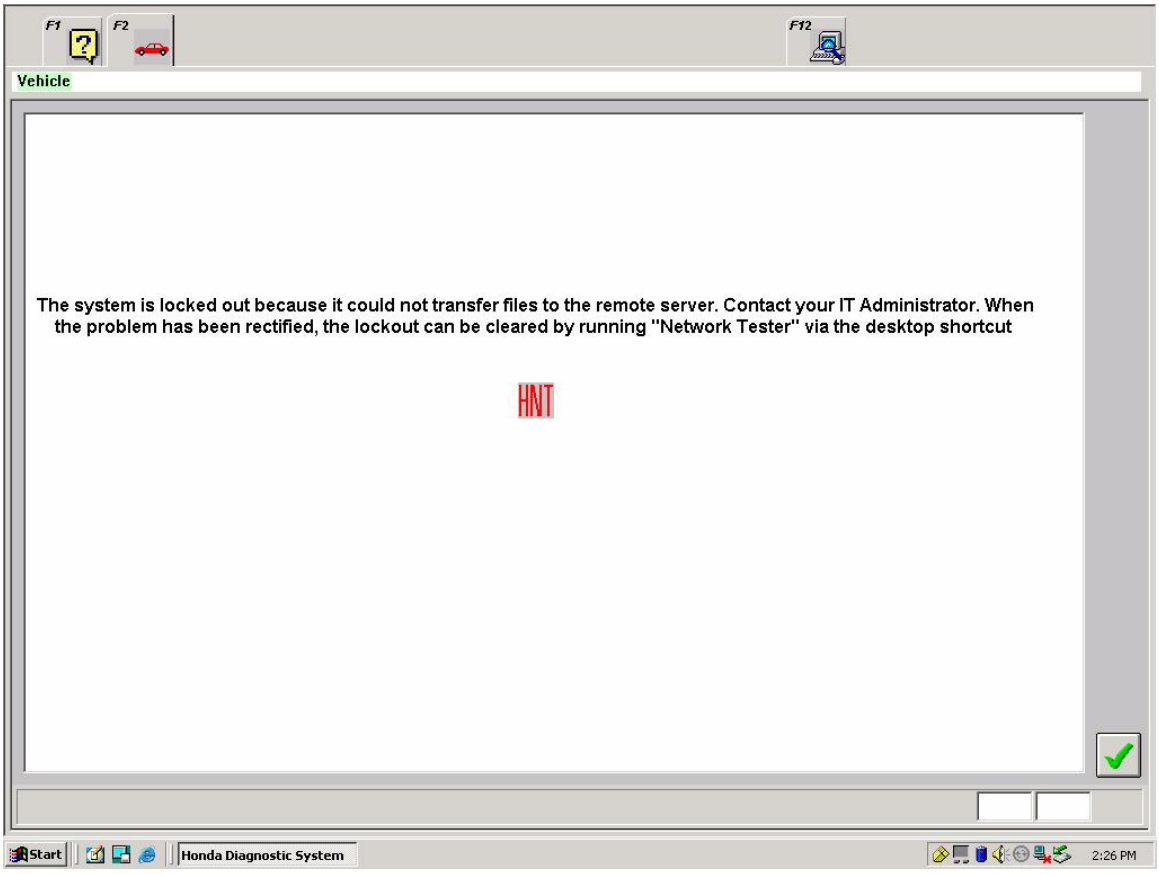
Communication of the GNA600 With the vehicle

Connect the GNA600 to the DLC on the vehicle, then turn the ignition switch to ON (II). After it does a self-check, the light patterns change continuously for about 30 seconds. After the lights stay the same for several seconds, the GNA600 should communicate with the vehicle. If it does not, an error message displays on the PC. Follow the on-screen instructions, refer to the GNA600 user guide, or check the GNA600 on a known-good vehicle. If the GNA600 works on the known-good vehicle, refer to the appropriate service manual to troubleshoot the DLC circuit in the vehicle you are working on. If the GNA600 does not work on the known-good vehicle, the GNA600 or its cable may be faulty.

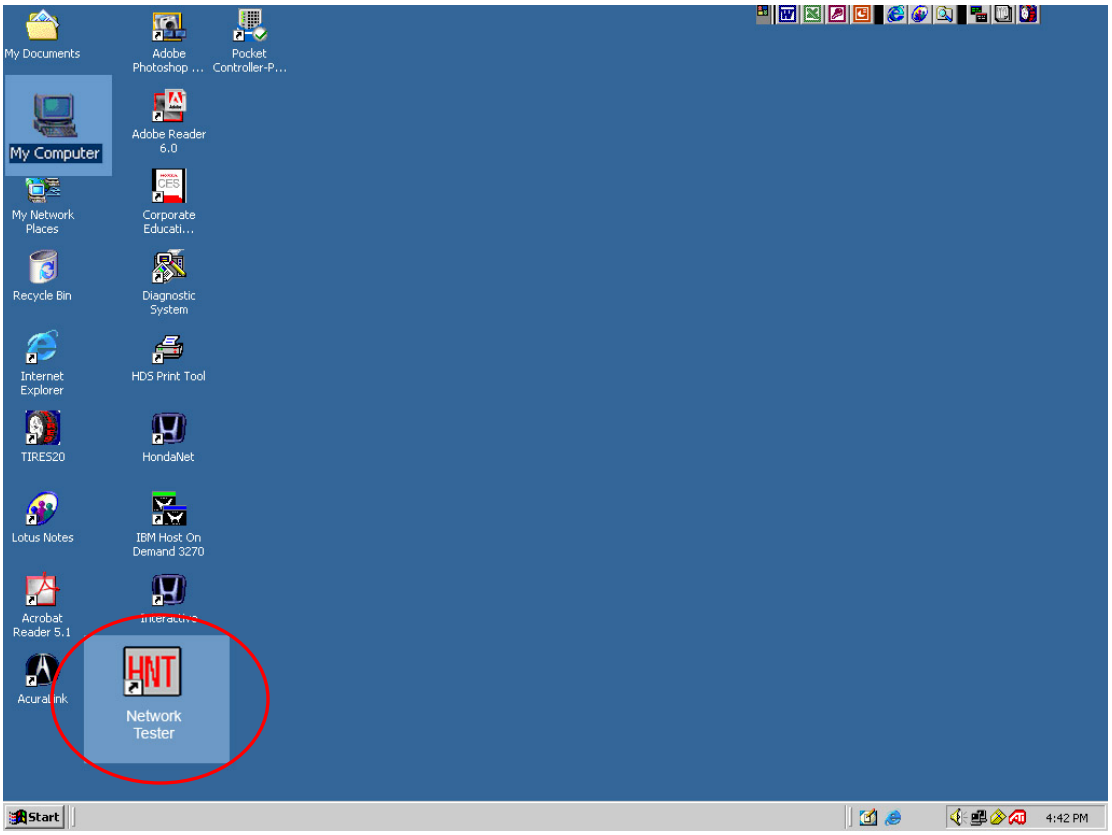
Network Connection

When connected to the master server, your PC automatically sends HDS data files to American Honda according to a built-in scheduler.

If this screen appears when you launch the HDS, the upload was unsuccessful due to a network problem:


F1
F2
F12
Vehicle
The system is locked out because it could not transfer files to the remote server. Contact your IT Administrator. When the problem has been rectified, the lockout can be cleared by running "Network Tester" via the desktop shortcut
HNT
Start
Honda Diagnostic System
2:26 PM

You need to correct the network problem and run the **Honda Network Test** (HNT) program. This icon was installed to your desktop during the HDS installation.



Immobi System Access

If you are unable to access the Immobi system in the HDS, your installation was done with either an invalid dealer number or incorrect configuration as an *i*N workstation. Confirm the correct *i*N workstation configuration with your system administrator, and correct the dealer number using the F12 screen on the HDS.

HDS Automatic Update

If your computer is connected to the network during the midnight hour, an updated version of the HDS is installed automatically when it becomes available on the master server. If the automatic update does not occur, confirm the network connection and *i*N workstation configuration with your IT administrator.

APPENDIX:

USB-to-Serial Adapter for the Honda Diagnostic System

Introduction

This appendix is for users of the Honda Diagnostic System (HDS) software with the Honda Interface Module (HIM) and a computer that has a USB port but not an RS232 DB 9-pin male serial port. A USB-to-serial adapter may be used to communicate between the HIM and your computer. American Honda Motor Co., Inc., has tested these adapters:

- IO Gear USB to Serial/PDA Converter Cable (GUC232A)
- Micro Innovations USB to RS232 Serial Adapter
- Coolgear USBG-232 USB-to-Serial Adapter

All these adapters are designed to work with Microsoft Windows XP Professional/2000 operating systems.

System Requirements

- PC with an AMD or Intel 1.0GHz or faster processor with 256MB of RAM
- CD-ROM optical drive
- Windows 2000 or Windows XP Professional operating system
- Latest version of the HDS software
- USB-to-serial DB 9-pin adapter
- Software driver provided by the USB-to-serial adapter manufacturer
- HIM

IMPORTANT NOTE: The USB-to-serial adapter works with the HIM only if the USB-to-serial adapter is mapped to COM1.

Installing the Device

This section gives general guidance on how to install the USB-to-serial adapter under the Windows 2000 or Windows XP operating systems. It is best to read and follow the installation manual that came with your USB-to-serial adapter.

Note: It is strongly recommended you exit all Windows programs prior to installing your USB-to-serial adapter software drivers. Installation procedures may be unique with each manufacturer. Always read and follow the manufacturer's recommendations.

The following details how to install the IO Gear USB to Serial Converter under Windows XP. This procedure is representative of the installation of other USB-to-serial adapters and for computers using the Windows XP Professional operating system.

1. Power up your computer and boot to Windows. Make sure you have administrator privileges to install software on your system.

2. Install the driver software that came with your USB-to-serial adapter. Some manufacturers request that you install the software drivers prior to plugging in the USB-to-serial adapter. Others request that the USB-to-serial adapter be plugged in first, and have Windows browse for the software provided on a CD-ROM. During installation, Windows may prompt you that this device driver has not yet passed Windows 2000 or XP compatibility. Click **Continue Anyway**.

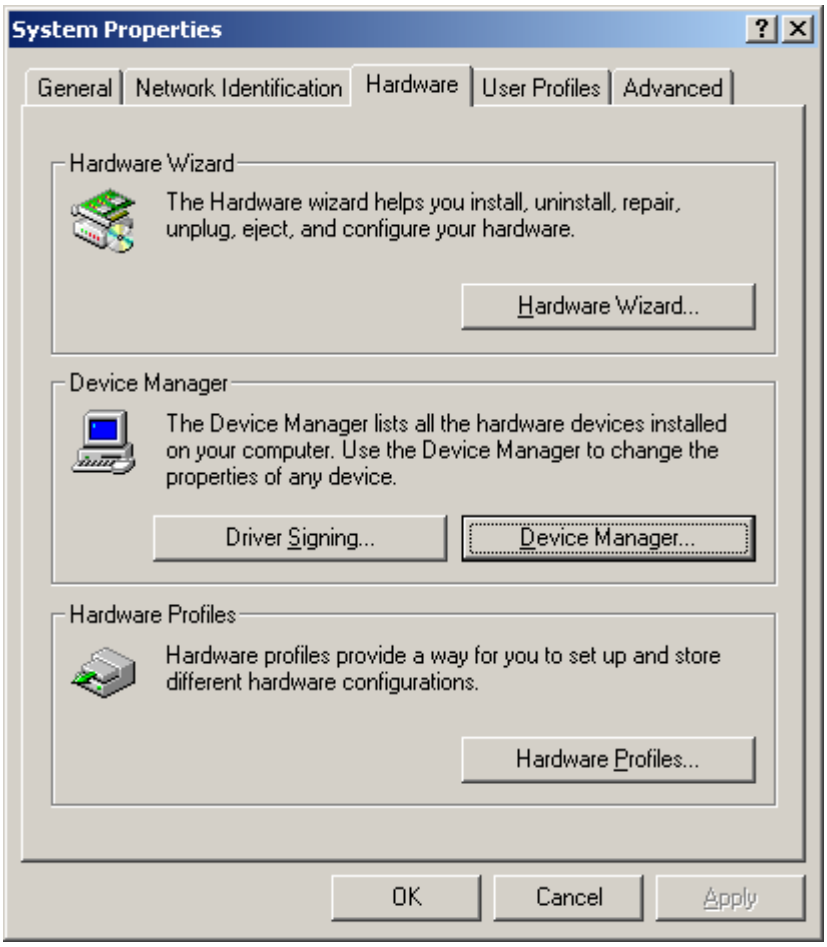
3. Windows then starts to install the software driver for your USB-to-serial adapter. Once installation is complete, Windows prompts you that it has finished installing the software. Click **Finish** to complete the setup. It is best to reboot your system before plugging in the USB-to-serial adapter.

Verifying the Installation

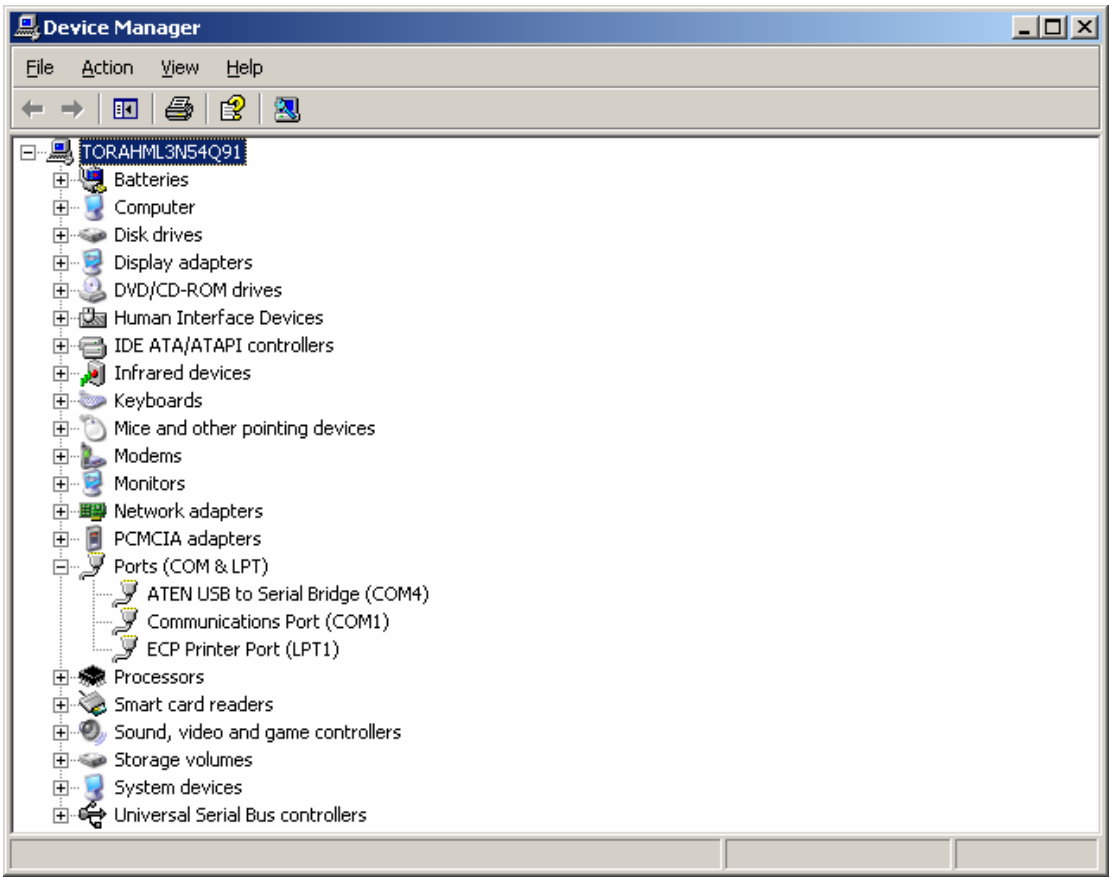
This section details how to verify that the USB-to-serial adapter was properly installed. You also need to determine the COM port assignment made by Windows for the USB-to-serial adapter.

To verify if the device is properly installed and to determine the COM port assignment of the USB-to-serial adapter:

1. Click on **Start**, **Settings**, and **Control Panel**, and then click on the **System** icon. Under **System Properties**, click on the **Hardware** tab, and then click on the **Device Manager…** button.


System Properties
General
Network Identification
Hardware
User Profiles
Advanced
Hardware Wizard
The Hardware wizard helps you install, uninstall, repair, unplug, eject, and configure your hardware.
Hardware Wizard...
Device Manager
The Device Manager lists all the hardware devices installed on your computer. Use the Device Manager to change the properties of any device.
Driver Signing...
Device Manager...
Hardware Profiles
Hardware profiles provide a way for you to set up and store different hardware configurations.
Hardware Profiles...
OK
Cancel
Apply

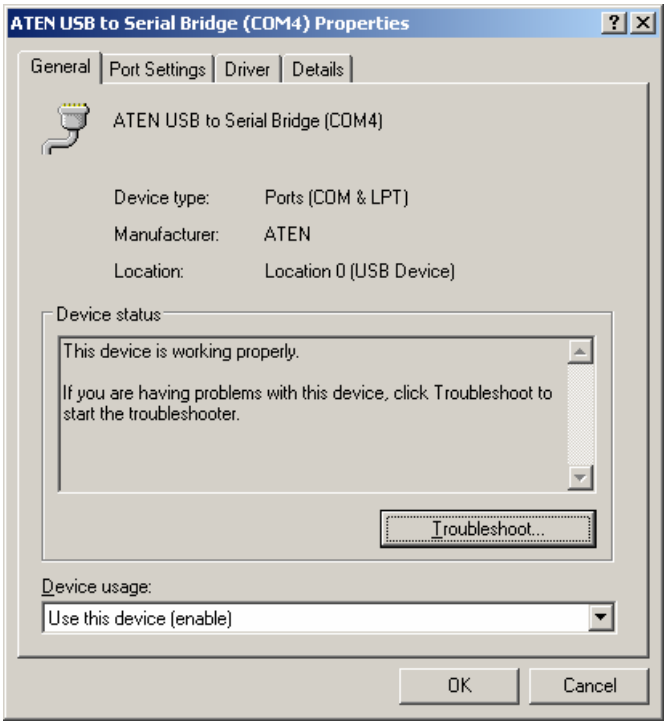
2. Double-click on **Ports (COM & LPT)**. If the USB-to-serial adapter is already plugged in, you will see the USB-to-serial (COM4) device listed. This means that Windows has assigned the USB-to-serial adapter to the COM4 port.



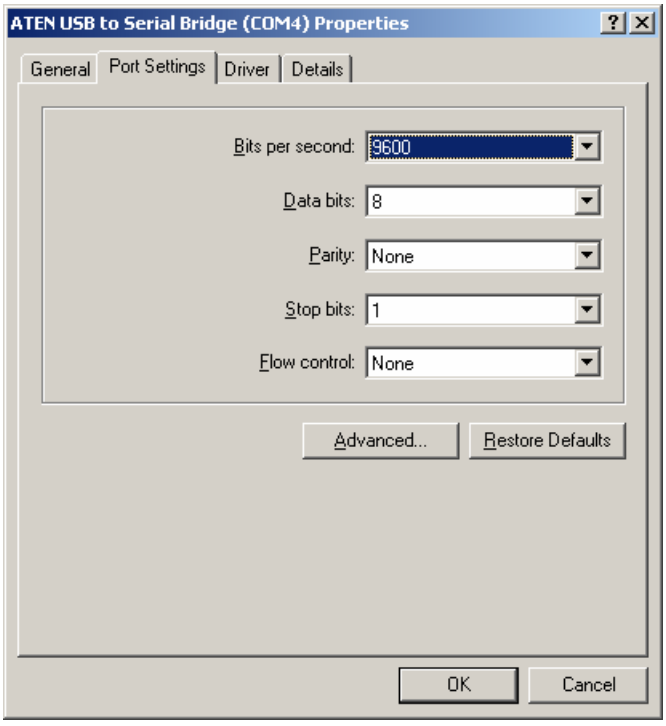
The COM port assignment of the USB-to-serial adapter varies, depending on your computer hardware setup and configuration. Windows checks which COM port is free in your computer and automatically assigns a port number to the USB-to-serial adapter.

IMPORTANT NOTE: The HIM functions only on COM1.

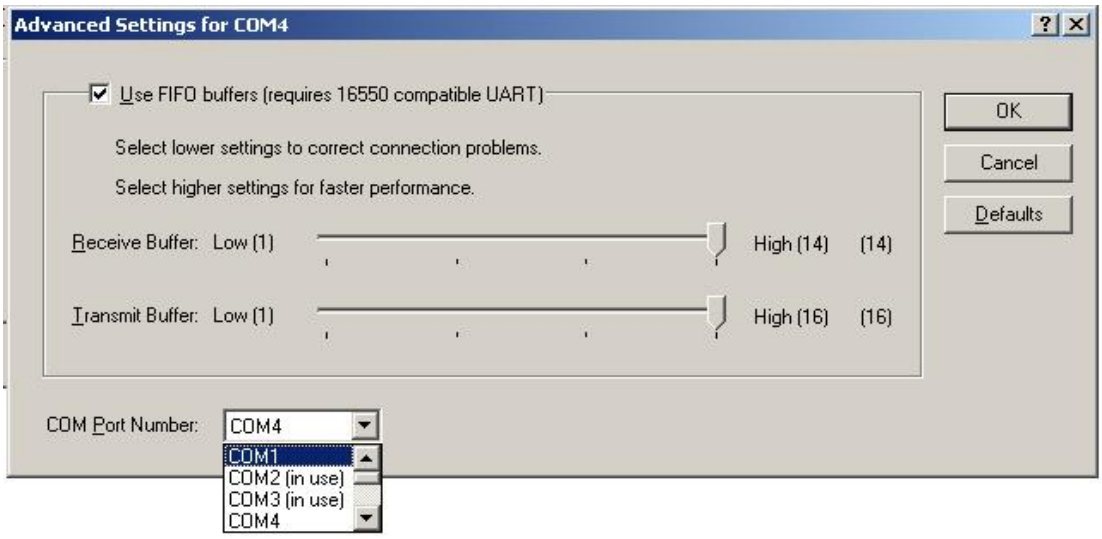
3. If the USB-to-serial adapter is not already on COM1, you must assign the COM port of the USB-to-serial adapter to the COM1 port number. Double-click on the USB-to-serial COM port to view properties.



4. Under the USB-to-serial COM port properties, click on the **Port Settings** tab.
Click on the **Advanced…** button.

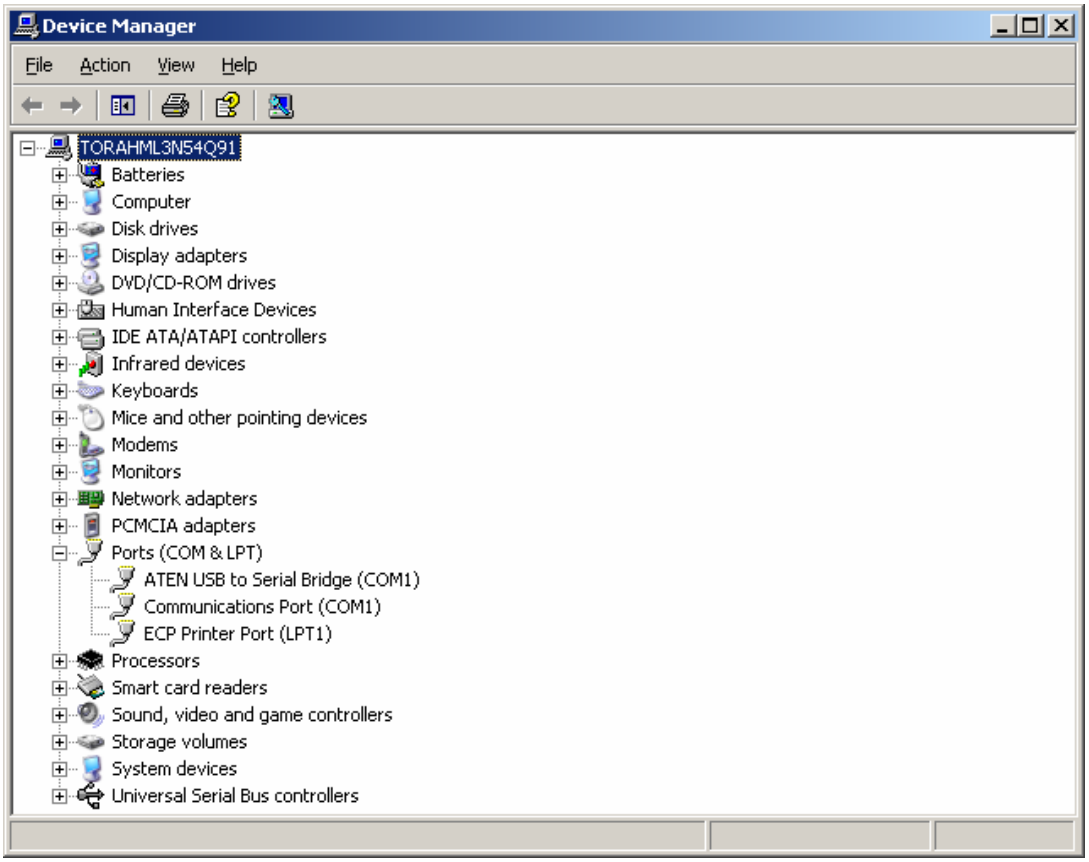


5. Under the Advanced Settings, click on the **COM Port Number**. Example: If Windows assigned COM4 to your USB-to-serial adapter, you must reassign it to COM1. Click OK when finished.



NOTE: Any other device that was previously assigned to COM1 may no longer function correctly.

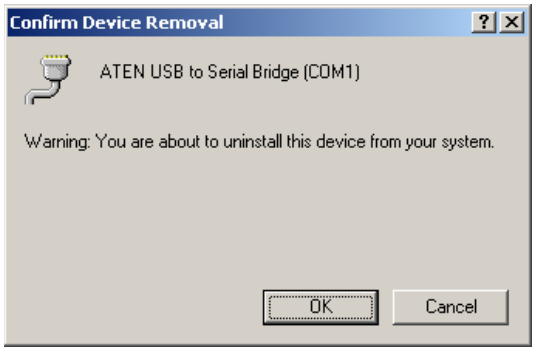
Your USB-to-serial adapter should now be assigned to COM1.



6. Once you have verified that the USB-to-serial adapter is properly installed and assigned to COM1, you may now connect it to the HIM. Note that to avoid possible damage, the HIM must have power applied through either the DLC or its approved power supply (VET2001723) before connection to the PC. Attach the serial connector of the HIM to the serial port of the adapter. Then plug in the USB connector to the USB port of your computer. Proceed with normal usage of the HDS with the HIM.

Uninstalling the USB-to-Serial Adapter Driver

In the event that you need to uninstall the drivers for the USB-to-serial adapter, follow the user manual provided with the device. Generally, you can go to the Device Manager (see above), right-click on the assigned port, and click **Uninstall**. If the COM1 port was used for a device prior to installing the USB-to-serial adapter, the port may need to be reset for that device.


Confirm Device Removal
ATEN USB to Serial Bridge (COM1)
Warning: You are about to uninstall this device from your system.
OK
Cancel

Disclaimer

Information in this document is subject to change without notice. American Honda Motor Co., Inc., does not make any representations or warranties (implied or otherwise) regarding the accuracy and completeness of this document and shall in no event be liable for any loss of profit or any other commercial damage, including but not limited to special, incidental, consequential, or other damages. Commercial product used does not constitute an endorsement or recommendation. No part of this document may be reproduced or transmitted in any form by any means without the express written permission of America Honda Motor Co., Inc. All brand names and product names used in this document are trademarks or registered trademarks of their respective holders.